

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query   | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|--|-----------------|------------------|---------|------------------|
| L2    | 4    | (US-5911252-\$ or US-4662231-\$ or US-4041994-\$).did. or (BE-805777-\$).did.  | USPAT; DERWENT  | OR               | OFF     | 2009/12/01 19:46 |
| L3    | 65   | (US-20080087353-\$ or US-20070289668-\$ or US-20060272738-\$ or US-20060151048-\$ or US-20030213529-\$ or US-20020020459-\$ or US-20080035234-\$ or US-20060201575-\$ or US-20040154690-\$ or US-20020117232-\$).did. or (US-3807464-\$ or US-2571302-\$ or US-2531953-\$ or US-7398802-\$ or US-7096896-\$ or US-7028726-\$ or US-6828577-\$ or US-6717163-\$ or US-6623455-\$ or US-6105638-\$ or US-4869299-\$ or US-4846235-\$ or US-4833329-\$ or US-4718463-\$ or US-4601409-\$ or US-4504739-\$ or US-4296785-\$ or US-3766951-\$ or US-4853546-\$ or US-5039863-\$ or US-5667762-\$ or US-5329976-\$ or US-6715506-\$ or US-3833030-\$ or US-7117901-\$ or US-6223786-\$).did. or (US-5911252-\$ or US-5647409-\$ or US- | US-PGPUB; USPAT | OR               | OFF     | 2009/12/01 19:46 |

|    |       |   |                    |    |     |                     |
|----|-------|---|--------------------|----|-----|---------------------|
|    |       | 4509861-\$ or US-<br>4434820-\$ or US-<br>4346742-\$ or US-<br>4316558-\$ or US-<br>4252159-\$ or US-<br>3935883-\$ or US-<br>3217761-\$ or US-<br>7343224-\$ or US-<br>7140405-\$ or US-<br>6199603-\$ or US-<br>6044875-\$ or US-<br>5853034-\$ or US-<br>4712590-\$ or US-<br>4513796-\$ or US-<br>1955441-\$ or US-<br>6889727-\$ or US-<br>7111652-\$ or US-<br>7066215-\$ or US-<br>5597019-\$ or US-<br>5313992-\$ or US-<br>5040699-\$ or US-<br>4922975-\$ or US-<br>4103722-\$ or US-<br>3191640-\$ or US-<br>2593894-\$).did. or<br>(US-5592940-\$ or<br>US-5450847-\$).did. |                    |    |     |                     |
| L4 | 67    | 2 3   | US-PGPUB;<br>USPAT | OR | OFF | 2009/12/01<br>19:47 |
| L5 | 4     | 4 and ((radiation or<br>radioactivity) near<br>(detector detects<br>sensor senses))   | US-PGPUB;<br>USPAT | OR | OFF | 2009/12/01<br>19:47 |
| L6 | 218   | 141/97.ccls.  | US-PGPUB;<br>USPAT | OR | OFF | 2009/12/01<br>19:50 |
| L7 | 26453 | "141".clas.   | US-PGPUB;<br>USPAT | OR | OFF | 2009/12/01<br>19:50 |
| L8 | 594   | L7 and (radiation or<br>radioactive or<br>radioisotope or<br>radioactivity)   | US-PGPUB;<br>USPAT | OR | OFF | 2009/12/01<br>19:50 |
| L9 | 880   | L7 and syringe  | US-PGPUB;<br>USPAT | OR | OFF | 2009/12/01<br>19:50 |

|     |     |  |                 |    |     |                  |
|-----|-----|--|-----------------|----|-----|------------------|
| L10 | 4   | ((syringe) with (fill or filling or filler)) same ((radiation or radioactive or radioactivity or radioisotope) with (dilutant or diluent or dilution or diluting or dilute))   | US-PGPUB; USPAT | OR | OFF | 2009/12/01 19:50 |
| L11 | 135 | 141/25.ccls.   | US-PGPUB; USPAT | OR | OFF | 2009/12/01 19:50 |
| L12 | 118 | 141/26.ccls.   | US-PGPUB; USPAT | OR | OFF | 2009/12/01 19:50 |
| L13 | 320 | 141/27.ccls.   | US-PGPUB; USPAT | OR | OFF | 2009/12/01 19:50 |
| L14 | 488 | 141/100.ccls.  | US-PGPUB; USPAT | OR | OFF | 2009/12/01 19:50 |
| L15 | 106 | 141/102.ccls.  | US-PGPUB; USPAT | OR | OFF | 2009/12/01 19:50 |
| L16 | 442 | 141/104.ccls.  | US-PGPUB; USPAT | OR | OFF | 2009/12/01 19:50 |
| L17 | 336 | 141/105.ccls.  | US-PGPUB; USPAT | OR | OFF | 2009/12/01 19:50 |
| L18 | 77  | 600/5.ccls.  | US-PGPUB; USPAT | OR | OFF | 2009/12/01 19:50 |
| L19 | 57  | (US-20080087353-\$ or US-20070289668-\$ or US-20060272738-\$ or US-20060151048-\$ or US-20030213529-\$ or US-20020020459-\$ or US-20080035234-\$ or US-20060201575-\$ or US-20040154690-\$ or US-20020117232-\$). did. or (US-3807464-\$ or US-2571302-\$ or US-2531953-\$ or US-7398802-\$ or US-7096896-\$ or US-7028726-\$ or US-6828577-\$ or US-6717163-\$ or US-6623455-\$ or US-6105638-\$ or US-4869299-\$ or US-4846235-\$ or US- | US-PGPUB; USPAT | OR | OFF | 2009/12/01 19:50 |

|     |    |  |                    |    |     |                     |
|-----|----|--|--------------------|----|-----|---------------------|
|     |    | 4833329-\$ or US-<br>4718463-\$ or US-<br>4601409-\$ or US-<br>4504739-\$ or US-<br>4296785-\$ or US-<br>3766951-\$ or US-<br>4853546-\$ or US-<br>5039863-\$ or US-<br>5667762-\$ or US-<br>5329976-\$ or US-<br>6715506-\$ or US-<br>3833030-\$ or US-<br>7117901-\$ or US-<br>6223786-\$).did. or<br>(US-5911252-\$ or<br>US-5647409-\$ or US-<br>4509861-\$ or US-<br>4434820-\$ or US-<br>4346742-\$ or US-<br>4316558-\$ or US-<br>4252159-\$ or US-<br>3935883-\$ or US-<br>3217761-\$ or US-<br>7343224-\$ or US-<br>7140405-\$ or US-<br>6199603-\$ or US-<br>6044875-\$ or US-<br>5853034-\$ or US-<br>4712590-\$ or US-<br>4513796-\$ or US-<br>1955441-\$ or US-<br>6889727-\$ or US-<br>7111652-\$ or US-<br>7066215-\$ or US-<br>5597019-\$ or US-<br>5313992-\$ or US-<br>5040699-\$ or US-<br>4922975-\$ or US-<br>4103722-\$ or US-<br>3191640-\$ or US-<br>2593894-\$).did. or<br>(US-5592940-\$ or<br>US-5450847-\$).did. |                    |    |     |                     |
| L20 | 4  | (US-5911252-\$ or<br>US-4662231-\$ or US-<br>4041994-\$).did. or<br>(BE-805777-\$).did.  | USPAT;<br>DERWENT  | OR | OFF | 2009/12/01<br>19:50 |
| L21 | 59 | L19 or L20   | US-PGPUB;<br>USPAT | OR | OFF | 2009/12/01<br>19:50 |
| L22 | 23 | L21 and (detector or<br>sensor)  | US-PGPUB;<br>USPAT | OR | OFF | 2009/12/01<br>19:50 |

|     |       |  |                                     |    |     |                     |
|-----|-------|--|-------------------------------------|----|-----|---------------------|
| L23 | 2997  | L6 L8 L9 L10 L11<br>L12 L13 L14 L15<br>L16 L17 L18 L22   | US-PGPUB;<br>USPAT                  | OR | OFF | 2009/12/01<br>19:50 |
| S1  | 3     | (4041994 4662231 <br>5911252).pn.  | US-PGPUB;<br>USPAT                  | OR | OFF | 2008/06/24<br>13:00 |
| S2  | 0     | gp-1415804-\$ did.   | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | OR | OFF | 2008/06/24<br>13:01 |
| S3  | 1     | gb-1415804-\$ did.   | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | OR | OFF | 2008/06/24<br>13:01 |
| S4  | 1     | ((HENRI-JACQUES)<br>near2 (TOCHON-<br>DANGUY)).INV.  | US-PGPUB;<br>USPAT; USOCR           | OR | OFF | 2008/06/24<br>13:14 |
| S5  | 1     | ((HENRI-JACQUES)<br>near2 (TOCHON-<br>DANGUY)).INV.  | EPO; JPO;<br>DERWENT                | OR | OFF | 2008/06/24<br>13:15 |
| S6  | 1     | ((STANI SLAV) near2<br>(PONIGER)).INV.   | US-PGPUB;<br>USPAT; USOCR           | OR | OFF | 2008/06/24<br>13:15 |
| S7  | 0     | ((STANI SLAV) near2<br>(PONIGER)).INV.   | EPO; JPO;<br>DERWENT                | OR | OFF | 2008/06/24<br>13:15 |
| S8  | 1     | S4 S5 S6   | US-PGPUB;<br>USPAT; USOCR           | OR | OFF | 2008/06/24<br>13:21 |
| S9  | 216   | 141/97.ccls.   | US-PGPUB;<br>USPAT                  | OR | OFF | 2008/07/17<br>13:08 |
| S10 | 25657 | "141".clas.  | US-PGPUB;<br>USPAT                  | OR | OFF | 2008/07/17<br>13:22 |
| S11 | 542   | S10 and (radiation<br>or radioactive or<br>radioisotope or<br>radioactivity)   | US-PGPUB;<br>USPAT                  | OR | OFF | 2008/07/17<br>13:23 |
| S12 | 813   | S10 and syringe  | US-PGPUB;<br>USPAT                  | OR | OFF | 2008/07/17<br>14:24 |
| S13 | 4     | ((syringe) with (fill<br>or filling or filler))<br>same ((radiation or<br>radioactive or<br>radioactivity or<br>radioisotope) with<br>(dilutant or diluent<br>or dilution or<br>diluting or dilute)) | US-PGPUB;<br>USPAT                  | OR | OFF | 2008/07/17<br>14:25 |

|     |      |  |                 |    |     |                  |
|-----|------|--|-----------------|----|-----|------------------|
| S14 | 1570 | ((radiation or radioactive or radioactivity or radioisotope) with (dilutant or diluent or dilution or diluting or dilute)) | US-PGPUB; USPAT | OR | OFF | 2008/07/17 14:29 |
| S15 | 133  | 141/25.ccls.   | US-PGPUB; USPAT | OR | OFF | 2008/07/17 14:39 |
| S16 | 132  | S15 not S9   | US-PGPUB; USPAT | OR | OFF | 2008/07/17 14:40 |
| S17 | 113  | 141/26.ccls.   | US-PGPUB; USPAT | OR | OFF | 2008/07/17 14:47 |
| S18 | 348  | S15 or S9  | US-PGPUB; USPAT | OR | OFF | 2008/07/17 14:47 |
| S19 | 102  | S17 not S18  | US-PGPUB; USPAT | OR | OFF | 2008/07/17 14:47 |
| S20 | 311  | 141/27.ccls.   | US-PGPUB; USPAT | OR | OFF | 2008/07/17 14:55 |
| S21 | 450  | S17 or S18   | US-PGPUB; USPAT | OR | OFF | 2008/07/17 14:55 |
| S22 | 276  | S20 not S21  | US-PGPUB; USPAT | OR | OFF | 2008/07/17 14:55 |
| S23 | 473  | 141/100.ccls.  | US-PGPUB; USPAT | OR | OFF | 2008/07/17 15:10 |
| S24 | 726  | S20 or S21   | US-PGPUB; USPAT | OR | OFF | 2008/07/17 15:10 |
| S25 | 460  | S23 not S24  | US-PGPUB; USPAT | OR | OFF | 2008/07/17 15:10 |
| S26 | 105  | 141/102.ccls.  | US-PGPUB; USPAT | OR | OFF | 2008/07/17 15:38 |
| S27 | 1186 | S23 or S24   | US-PGPUB; USPAT | OR | OFF | 2008/07/17 15:38 |
| S28 | 96   | S26 not S27  | US-PGPUB; USPAT | OR | OFF | 2008/07/17 15:39 |
| S29 | 421  | 141/104.ccls.  | US-PGPUB; USPAT | OR | OFF | 2008/07/17 15:44 |
| S30 | 1282 | S26 or S27   | US-PGPUB; USPAT | OR | OFF | 2008/07/17 15:45 |
| S31 | 347  | S29 not S30  | US-PGPUB; USPAT | OR | OFF | 2008/07/17 15:45 |
| S32 | 1629 | S29 or S30   | US-PGPUB; USPAT | OR | OFF | 2008/07/17 16:06 |
| S33 | 326  | 141/105.ccls.  | US-PGPUB; USPAT | OR | OFF | 2008/07/17 16:06 |

|     |     |  |                           |    |     |                     |
|-----|-----|--|---------------------------|----|-----|---------------------|
| S34 | 221 | S33 not S32  | US-PGPUB;<br>USPAT        | OR | OFF | 2008/07/17<br>16:06 |
| S35 | 66  | 600/5.ccls.  | US-PGPUB;<br>USPAT        | OR | OFF | 2008/07/17<br>16:16 |
| S36 | 38  | ("3734147"  <br>"3935883"  <br>"4133314"  <br>"4187890"  <br>"4253501"  <br>"4433974"  <br>"4883101"  <br>"4998570"  <br>"5220948"  <br>"5329974"  <br>"5341854"  <br>"5450847"  <br>"5592940"  <br>"5647409").PN. OR<br>("5911252").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/07/18<br>12:55 |
| S37 | 38  | ("3734147"  <br>"3935883"  <br>"4133314"  <br>"4187890"  <br>"4253501"  <br>"4433974"  <br>"4883101"  <br>"4998570"  <br>"5220948"  <br>"5329974"  <br>"5341854"  <br>"5450847"  <br>"5592940"  <br>"5647409").PN. OR<br>("5911252").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/07/18<br>12:56 |
| S38 | 65  | (US-20080087353-\$<br>or US-20070289668-\$<br>or US-<br>20060272738-\$ or<br>US-20060151048-\$<br>or US-20030213529-\$<br>or US-<br>20020020459-\$ or<br>US-20080035234-\$<br>or US-20060201575-\$<br>or US-<br>20040154690-\$ or<br>US-20020117232-\$).<br>did. or (US-3807464-\$<br>or US-2571302-\$<br>or US-2531953-\$ or<br>US-7398802-\$ or US-<br>7096896-\$ or US- | US-PGPUB;<br>USPAT        | OR | OFF | 2008/07/18<br>13:21 |

|  |                      |  |  |  |
|--|----------------------|--|--|--|
|  | 7028726-\$ or US-    |  |  |  |
|  | 6828577-\$ or US-    |  |  |  |
|  | 6717163-\$ or US-    |  |  |  |
|  | 6623455-\$ or US-    |  |  |  |
|  | 6105638-\$ or US-    |  |  |  |
|  | 4869299-\$ or US-    |  |  |  |
|  | 4846235-\$ or US-    |  |  |  |
|  | 4833329-\$ or US-    |  |  |  |
|  | 4718463-\$ or US-    |  |  |  |
|  | 4601409-\$ or US-    |  |  |  |
|  | 4504739-\$ or US-    |  |  |  |
|  | 4296785-\$ or US-    |  |  |  |
|  | 3766951-\$ or US-    |  |  |  |
|  | 4853546-\$ or US-    |  |  |  |
|  | 5039863-\$ or US-    |  |  |  |
|  | 5667762-\$ or US-    |  |  |  |
|  | 5329976-\$ or US-    |  |  |  |
|  | 6715506-\$ or US-    |  |  |  |
|  | 3833030-\$ or US-    |  |  |  |
|  | 7117901-\$ or US-    |  |  |  |
|  | 6223786-\$).did. or  |  |  |  |
|  | (US-5911252-\$ or    |  |  |  |
|  | US-5647409-\$ or US- |  |  |  |
|  | 4509861-\$ or US-    |  |  |  |
|  | 4434820-\$ or US-    |  |  |  |
|  | 4346742-\$ or US-    |  |  |  |
|  | 4316558-\$ or US-    |  |  |  |
|  | 4252159-\$ or US-    |  |  |  |
|  | 3935883-\$ or US-    |  |  |  |
|  | 3217761-\$ or US-    |  |  |  |
|  | 7343224-\$ or US-    |  |  |  |
|  | 7140405-\$ or US-    |  |  |  |
|  | 6199603-\$ or US-    |  |  |  |
|  | 6044875-\$ or US-    |  |  |  |
|  | 5853034-\$ or US-    |  |  |  |
|  | 4712590-\$ or US-    |  |  |  |
|  | 4513796-\$ or US-    |  |  |  |
|  | 1955441-\$ or US-    |  |  |  |
|  | 6889727-\$ or US-    |  |  |  |
|  | 7111652-\$ or US-    |  |  |  |
|  | 7066215-\$ or US-    |  |  |  |
|  | 5597019-\$ or US-    |  |  |  |
|  | 5313992-\$ or US-    |  |  |  |
|  | 5040699-\$ or US-    |  |  |  |
|  | 4922975-\$ or US-    |  |  |  |
|  | 4103722-\$ or US-    |  |  |  |
|  | 3191640-\$ or US-    |  |  |  |
|  | 2593894-\$).did. or  |  |  |  |
|  | (US-5592940-\$ or    |  |  |  |
|  | US-5450847-\$).did.  |  |  |  |

|     |    |   |                 |    |     |                  |
|-----|----|---|-----------------|----|-----|------------------|
| S39 | 4  | (US-5911252-\$ or US-4662231-\$ or US-4041994-\$).did. or (BE-805777-\$).did. | USPAT; DERWENT  | OR | OFF | 2008/07/18 13:21 |
| S40 | 67 | S38 or S39  | US-PGPUB; USPAT | OR | OFF | 2008/07/18 13:21 |
| S41 | 27 | S40 and (detector or sensor)  | US-PGPUB; USPAT | OR | OFF | 2008/07/18 13:21 |
| S42 | 1  | "5039863".pn.   | US-PGPUB; USPAT | OR | OFF | 2008/07/18 17:06 |
| S43 | 1  | "3935883".pn.   | US-PGPUB; USPAT | OR | OFF | 2008/07/18 17:09 |
| S44 | 1  | "4853546".pn.   | US-PGPUB; USPAT | OR | OFF | 2008/07/18 17:10 |
| S45 | 1  | "7117901".pn.   | US-PGPUB; USPAT | OR | OFF | 2008/07/18 17:13 |

### EAST Search History (Interference)

| Ref # | Hits | Search Query  | DBs                   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------------|------------------|---------|------------------|
| L24   | 0    | (radioactive and dose and dispensing and apparatus and container and shielding and controlling and mix and stock and dilution and solution and simultaneously and detecting and means and automating and programmable and logic and controller and detector).clm. | US-PGPUB; USPAT; UPAD | OR               | OFF     | 2009/12/01 20:08 |

12/1/2009 8:09:04 PM

C:\Documents and Settings\jniez\My Documents\EAST\Workspaces\10562766.wsp